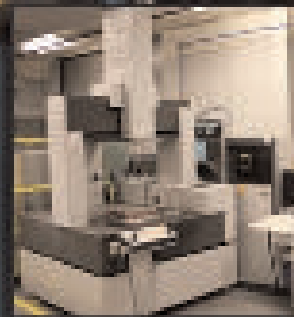
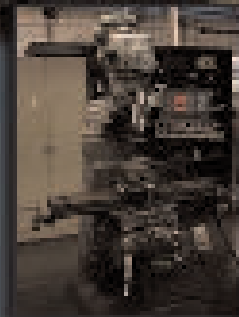


COMPLETE PLANT CLOSURE OF AN AUTOMOTIVE STARTER AND ARMATURES MANUFACTURER



**Thursday, February 5th • Beginning at 10am Local Time
Ypsilanti, Michigan**

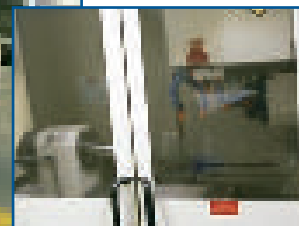


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2004



STAR ECONOMY TOOL GRINDER PLUS 5-AXIS CNC TOOL GRINDER, S/N 614 (2004). Capacities: Maximum Tool Sharpening Diameter 4", Maximum Workpiece Length 8", Maximum Grinding Wheel Diameter 6", Travels: A – Axis Workhead Indexing 360 Degree, B – Axis Grinding Wheel Rotary Pivot 220 Degree (± 110 Degree), X – Axis Workhead Cross Slide Travel 11.8", Y – Axis Grinding Wheel Vertical Slide Travel 8.7", Z – Axis Workhead Axial Horizontal Slide Travel 13.8", CAT 50 V-Flange Workhead Taper, Coolant, NUM ROTO Plus NUM 1050 CNC Controls, Full enclosures, AER Mist Collector (Bldg 2, Toolroom CNC Dept)



**MAZAK MODEL VQC 20/40 BBRIDGE TYPE
CNC VERTICAL MACHINING CENTER**



**FADAL MODEL 904-1VMC 40
CNC VERTICAL MACHINING CENTER**

MULTI-AXIS CNC TOOL GRINDER

- 1 – **STAR ECONOMY TOOL GRINDER PLUS 5-AXIS CNC TOOL GRINDER, S/N 614 (2004).** Capacities: Maximum Tool Sharpening Diameter 4", Maximum Workpiece Length 8", Maximum Grinding Wheel Diameter 6", Travels: A – Axis Workhead Indexing 360 Degree, B – Axis Grinding Wheel Rotary Pivot 220 Degree (± 110 Degree), X – Axis Workhead Cross Slide Travel 11.8", Y – Axis Grinding Wheel Vertical Slide Travel 8.7", Z – Axis Workhead Axial Horizontal Slide Travel 13.8", CAT 50 V-Flange Workhead Taper, Coolant, NUM ROTO Plus NUM 1050 CNC Controls, Full enclosures, AER Mist Collector (Bldg 2, Toolroom CNC Dept)

CNC VERTICAL MACHINING CENTERS

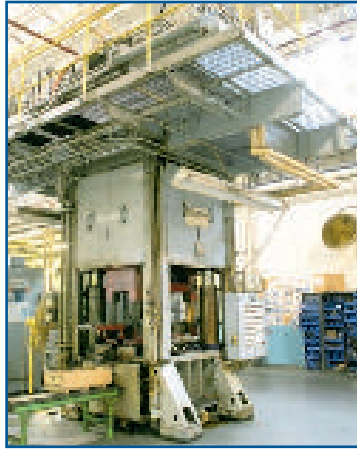
- 1 – **FADAL MODEL 904-1VMC 40 CNC VERTICAL MACHINING CENTER, S/N 9311213 (1993),** Table Size 16" x 40", 21-Position Automatic Tool Changer, Fadal CNC 88HS Controls
- 1 – **MAZAK MODEL VQC 20/50 BBRIDGE TYPE CNC VERTICAL MACHINING CENTER, S/N 55314,** Table Size 21-3/4" x 48-1/2", Travels: 39" X/15" Y/22" Z, 30-Position Automatic Tool Changer, CAT 50 V-Flange Spindle Taper, Mazatrol CAM M2 Controls, Coolant (Bldg 2, Toolroom CNC Dept)
- 1 – **MAZAK MODEL VQC 20/40 BBRIDGE TYPE CNC VERTICAL MACHINING CENTER, S/N 54758,** Table Size 21-3/4" x 48-1/2", Travels: 39" X/15" Y/22" Z, 30-Position Automatic Tool Changer, CAT 40 V-Flange Spindle Taper, Mazatrol CAM-M2 Controls, Coolant (Bldg 2, Toolroom CNC Dept)

CNC TURNING CENTERS

- 1 – **CINCINNATI MILACRON AVENGER 200C 2-AXIS CNC TURNING CENTER, S/N 3650-A0C-96-0004 (1996),** (#DM1K14), 11" Swing x Approximately 36" Centers, Servo Tailstock Slide, With Parts Gripper Fixture, Power Collet Chuck, 12-Position Tool Turret, Auto Parts Load/Unload, Presetter Arm, Coolant, Jorgensen 8" Chip Conveyor, Cincinnati Acramatic 850SX CNC Controls, Air Flo Mist-Pac Mist Collector (Bldg 1, C-13)
- 9 – **CINCINNATI MILACRON AVENGER 200T 2-AXIS CNC TURNING CENTERS, S/Ns 3650-A0T-95-0494 (1995),** (#DM1K13), 3650-A0T-95-0347 (1995), (#DM1K09), 3650-A0T-95-0492 (1995), (#DM1K07), 3650-A0T-94-0263 (1994), (#DM1K03), 3650-A0T-94-0267 (1994), (#DM1K01), 3650-A0T-95-0318 (1995), (#DM1K18), 3650-A0T-95-0478 (1995), (#DM1K11), 3650-A0T-95-0316 (1995), (#DM1K16), 3650-A0T-94-0268 (1994), (#BT0051790), 11" Swing x Approximately 36" Centers, Servo Tailstock Slide, With Parts Gripper Fixture, Power Collet Chuck, 12-Position Tool Turret, Auto Parts Load/Unload, Presetter Arm, Coolant, Jorgensen 8" Chip Conveyor, Cincinnati Acramatic 850SX CNC Controls, Air Flo Mist-Pac Mist Collector (Note: #s DM1K03 & DM1K11 Auto Feed Not In Service) (Bldg 1, C & D-13)
- 1 – **TRUAB MODEL TNS42 CNC TURNING CENTER, S/N 980,** Maximum Bar Diameter 1.65", Maximum Turning Diameter 7.0", Maximum Turning Length 19.3", Maximum Swing 17", Travels 19.3" X/6.6" Y, Spindle Speeds 28 – 5600 RPM, 12-Position Tool Turret, 7.8" Diameter Power Chuck, Tailstock (Bldg 2, Toolroom CNC Dept)
- 1 – **MAZAK MODEL SLANT TURN 40N-ATC-M/C CNC TURNING CENTER, S/N NA,** 25" Swing x 60" Centers, 3-Position Live Tool Turret, Power Chuck, Tailstock, Mazatrol CAM T-3 Controls (Incomplete – Not In Service) (Bldg 2, Toolroom CNC Dept) (Tag# 208)



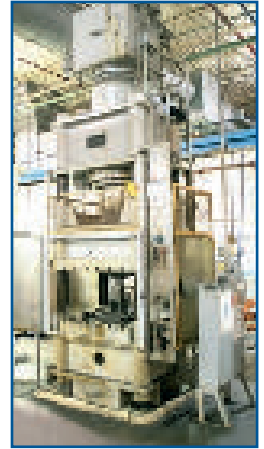
(1 OF 3) ST. LAWRENCE PRESS 400-TON
HYDRAULIC TRANSFER PRESSES



(1 OF 3) ST. LAWRENCE PRESS 400-TON
HYDRAULIC TRANSFER PRESSES



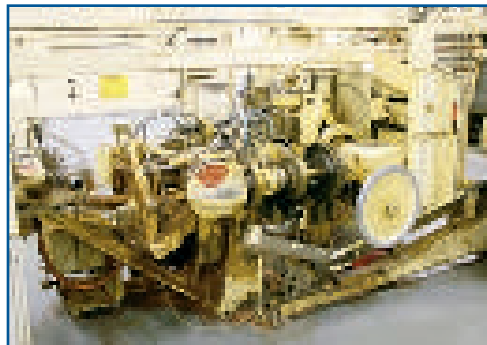
VERSION SE2-800-60-42T 800-TON
2-POINT STRAIGHT SIDE PRESS



K.R. WILSON 4-COLUMN
300-TON 4-POST
HYDRAULIC PRESS



(1 OF 9) CINCINNATI MILACRON AVENGER 200T
2-AXIS CNC TURNING CENTERS



(1 OF 8) BAIRD MODEL NO. 3 FOUR-SLIDE
MULTI-SLIDE FORMING MACHINES



BIHLER MODEL BZ-16-STATION CNC VERTICAL
ROTARY FORMING PRESS

CNC ROTARY FORMING PRESS CELL

(Note: Cell May be Offered in Bulk Subject to Piecemeal Bids)

- 1- BIHLER MODEL BZ-16-STATION CNC VERTICAL ROTARY FORMING PRESS, S/N 5006 (1998), (#FM2C10), 4-Point Eccentric, Forming Capacity kN, 40mm Stroke, 1000 kn Nominal Capacity, 30mm Stroke, Fitting Area Press Slide 580 x 500mm, Press Table 576 x (540-720)mm Adjustable, Bihler Model PCNC-100 CNC Control System, Front & Rear Light Curtains, Magnetic Products Model BLM-0618-B60-HD 17" Magnetic Scrap Conveyor (Bldg 2, K/J-20)
- 1- BIHLER FORMING PRESS IN-FEED WITH KOHLER MODEL 30-120/21-1000.2 UNCOILER/STRAIGHTENER, S/N 70139, Double End Mechanical Uncolier, 12" Maximum Width, Pneumatic Tension Braking, 6" Roll Straightener, Variable Speed, Digital Readout Controls, Steel Platform Skid Base, Looping Roller Conveyor Stand (Bldg 2, K/J-20)
- 1- BUNTING MAGNETICS MAGNETIC TRANSFER CONVEYOR, S/N 4226, (#FM2C11C1) (Bldg 2, K/J-20)
- 1- BIHLER MODEL BZ-2/8CNC MULTI-HEAD RESISTANCE SPOT WELDING PRESS, S/N 24279, (#FM2C11), (6) Adjustable Welding Heads, Bihler PCNC-100 CNC Control, Light Curtain, Take-Away Conveyor (Bldg 2, K/J-20)
- 1- HYTROL PORTABLE 12" CLEATED RUBBER BELT INCLINED FEED CONVEYOR, S/N 169760B, Variable Speed, Electric/Pneumatic Discharge Splitter/Diverter Head (Bldg 2, K/J-20)
- 1- FEEDER STAND, Floor Track Riding, With (2) Approximately 24" Vibratory Bowl Feeders, Variable Controls, Enclosure

STARTER BODY STAMPING, WASHING, & MACHINING CELL

(Note: Cell May be Offered in Bulk Subject to Piecemeal Bids)

- 1- VERSION MODEL SE2-800-60-42T 800-TON 2-POINT STRAIGHT SIDE PRESS, S/N 28739, (#FM2C20), Bed Size 60"LR x 42"FB, Power Roll-Out Bolster Carriage, 10" Stroke, Speeds Variable 20 - 40 SPM, 45" Shut Height, 6" Adjustment, Air Clutch, Air Counterbalance, Hydraulic Overloads, Hydraulic Knockout Unload System, Milwaukee Cylinder Power Handling Arm, Automatic In-Feed, With Michigan Automation Co. Model Noise-Tamer G30E Feed Hopper & Feeder, S/N 1296-A-76, Monroe Environmental Fume Extractor & Filter, S/N 89-1066, Parts Extraction Conveyor, New London Scrap Conveyor (Bldg 2, G-20)
- 1- PARTS WASHING & SORTING LINE (#FM2C21), Including: Centri-Spray Conveyorized Thru-Feed Parts Washer, Process Steam Heated, (2) 7-1/2" Wide Side-by-Side Stainless Steel Wire Mesh Belts, 20' Length, 4-1/2" High Opening, In-Feed Conveyor, Stainless Steel Wash/Rinse Tanks, Allen Bradley SLC150 & 100 Programmable Controllers, Washer Exit Conveyor, With Vibratory Feeder to Buffer Table, Aurora Buffer Accumulation Table (#F744270), S/N 901, 8' Wide x 23' Long Plastic Mesh Belt, (2) ASE Exit/Chucker Loading Conveyors (Bldg 2, G-20)
- 2- NATIONAL ACME 6-SPINDLE AUTOMATIC CHUCKERS, S/Ns NA, H58368, JFM2C25, FM2C26), Automatic In-Feed, Cover-Rite Noise Enclosure, Allen Bradley PLC 5-15 Programmable Controller, Auto Unload (Bldg 2, H-19)
- 1- FIVE STAR SYSTEM BUFFER ACCUMULATION CONVEYOR TABLE, S/N 96-644-651, 31" Wide x 33' Length, (2) 2-1/2" Loading Conveyors from Chuckers, (3) Exit Unload Conveyors to Drill/Tap Machines, Allen Bradley PLC 5-15 Programmable Controller (Bldg 2, H-20)
- 1- MASCO INDEXING PRODUCTION VERTICAL DRILL & TAP MACHINE, S/N 9510-8812, (#NA), (2) Multi Spindle Heads, 29" 6-Station Indexing Table, Ferguson Pick-O-Matic Arm Part Pick-N-Place Transfer System, Allen Bradley PLC, With Dataliner Input Keypad, Livonia Magnetics Magnetic Chip Conveyor (Bldg 2, H-20)
- 2- MASCO INDEXING PRODUCTION VERTICAL DRILL & TAP MACHINES, S/Ns 1718, 1590, (#FM2C28, FM2C27), 4-Spindle, 29" Rotary Indexing Table, Allen Bradley PLC, With Dataliner Input Keypad, Livonia Magnetics Magnetic Chip Conveyor (Bldg 2, H-20)

TURNING & KNURLING CELL

(Note: Cell May be Offered in Bulk Subject to Piecemeal Bids)

- 2- KINEFAC MODEL KINE-TURN TD-30 PRODUCTION TURNING CENTERS, S/N 575, (#SM2B24), 574 (#SM2B25), (Turn Bearing Diameters & Chamfers), Automatic Parts Feed & Eject, Top & Front Tool Slides, Mayfran Chip Conveyor, Each With Exit Conveyor, With VSI Automation In-Line Burnishing Head, Allen Bradley PLC-5/25 Programmable Controller (Bldg 2, G-15)
- 1- KINEFAC MODEL KINE-ROLLER MC-50-F PRODUCTION KNURLING ROLLER, S/N 572 (#SM2B28) Auto In-Feed, With Conveyor, Automatic Exit Conveyor, Reversible Dies, Allen Bradley PLC-5/15 Programmable Controller (Bldg 2, G-15)

HYDRAULIC PRESSES

- 1- K.R. WILSON MODEL 4-COLUMN 300-TON 4-POST HYDRAULIC PRESS, S/N 2509 (#P582856), 36" x 36" Bed Size, 36" x 23" Between Posts, Down-Acting 16" Diameter Ram, 6" Bolster, Top Mounted Hydraulics, Floor Standing (Bldg 2, Toolroom, F-3)
- 1- SAVAGE 60-TON 4-POST HYDRAULIC PRESS, S/N 1306, (#P650166) Floor Standing, Down-Acting, Top Mounted Hydraulics, 30" x 30" Bed Area, 17-1/2" x 30" Between Posts (Bldg 2, F-11)
- 1- ENERPAC 75-TON H-FRAME HYDRAULIC SHOP PRESS, S/N NA, Electric Power Hydraulic Unit, Traveling Ram Head, 34-1/2" Between Uprights, Adjustable Rail, With Hydra-Lift (Bldg 2, Area 2 Maintenance, N-15)
- 1- DAKE ELEC-DRAULIC MODEL 5-07575-TON H-FRAME HYDRAULIC SHOP PRESS, S/N 180995, 44" Between Uprights, Adjustable Rail, Electric Power Hydraulic Unit (Bldg 2, Toolroom, F-3)
- 1- OTC 50TNO. 60399 50-TON H-FRAME HYDRAULIC SHOP PRESS, S/N 1051, 36" Between Uprights, Adjustable Rail, Electric Hydraulic Pump (Bldg 1, Maint.)
- 1- DAKE MODEL 25H 25-TON H-FRAME HYDRAULIC SHOP PRESS, S/N 159343, Manual Hydraulics, 33-1/2" Between Posts (Bldg 2, Area 2 Maintenance, P-15)
- 1- ENERPAC BENCH TOP H-FRAME HYDRAULIC SHOP PRESS, With Model P-392 Hand Hydraulic Pump, Model RC1010 10-Ton Ram Head, 15" Between Posts (Bldg 2, F-15)
- 1- CIMCO C-FRAME HYDRAULIC PRESS, S/N 114367, (#14394), Approximately 5-Ton, Bed Size 24"LR x 12"FB, External 10-HP Hydraulic Unit (Bldg 2, F-11)
- 1- CIMCO C-FRAME HYDRAULIC PRESS, S/N NA, (#584072), Approximately 5-Ton, Bed Size 24"LR x 12"FB, External 10-HP Hydraulic Power Unit (Bldg 2, F-11)

COIL UPENDER

- 1- CALDWELL MODEL 89-5-60 10,000-LB. CAPACITY HYDRAULIC COIL UP-ENDER, S/N 50846, 42" x 54" Coil Platform, Electric Powered Hydraulics (Bldg 2, K-20)

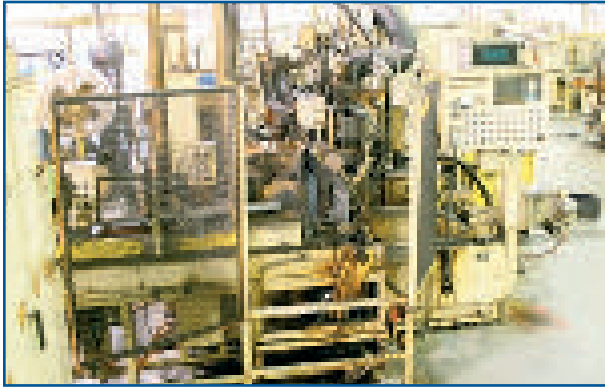
HYDRAULIC TRANSFER PRESSES

- 3- ST. LAWRENCE PRESS 400-TON HYDRAULIC TRANSFER PRESSES, S/Ns 9414 (ID# PR1A90, Press #4), 9411 (ID# PR1A60, Press #1), 9412 (ID# PR1A70, Press #2), 4-Station R-L Transfer, Bed Size 60"LR x 30"FB, 400-Ton Maximum Force on Main Ram, 50-Ton Maximum Ejector Tonnage, Pressing speed 23/45/87/109/151 IPM, Transfer Bar, Floor Standing, Top-Mounted Hydraulics, PLC Controls, With Allen Bradley Redi Panel Entry Keypad, Automatic Rear Parts In-Feed, With Hendricks Feed Hopper, Inclined Unscrambler Conveyor, Vibratory Bowl Feeder, & Feed Track (Bldg 1, D&E-11)

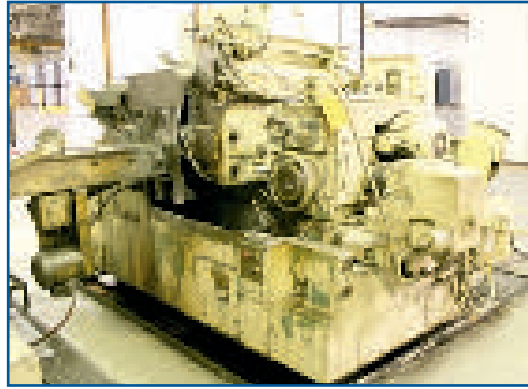
FOUR-SLIDE MACHINES

- 8- BAIRD MODEL NO. 3 FOUR-SLIDE MULTI-SLIDE FORMING MACHINES, With Sound Enclosure, Knight Industries Payoff Reel Turntable, Entwistle Type 500-SP De-Reel Stand, Control Cabinet, With Allen Bradley PLC 5/15 Programmable Controller, S/Ns 1470-322 (#AA2E20) (Bldg 2, M-18), 1470-320 (#AA2E19) (Bldg 2, M-18), 1470-321 (#AA2E18) (Bldg 2, M-18), 1470-319 (#AA2E17) (Bldg 2, M-18), 1470-302 (#AA2E60) (Bldg 2, H-17), 1470-326 (#AA2E59) (Bldg 2, H-17), 1470-324 (#AA2E58) (Bldg 2, H-17), 1470-325 (#AA2E57) (Bldg 2, H-17)

CENTERLESS, SURFACE, ID, ID/OD, DRILL, TOOL & CUTTER GRINDERS



KOYO MODEL KC-300CNC CENTERLESS GRINDER



CINCINNATI MODEL 340-20TWIN GRIP
CENTERLESS GRINDERS



MITSUI 250-H-2AH 8" X 18"
HYDRAULIC SURFACE GRINDER



(2) THOMPSON/WATERBURY MODEL 2F
8" X 24" HYDRAULIC SURFACE GRINDERS



BROWN & SHARPE 818 MICROMASTER
8" X 18" HYDRAULIC SURFACE GRINDER



OKAMOTO MODEL 820N 8" X 20" HYDRAULIC
SURFACE GRINDER

CENTERLESS GRINDERS

- 1 - KOYO MODEL KC-300 CNC CENTERLESS GRINDER, S/N 9104-0402, (#SM2B36), 12" Wheel Width, Automated Thru-Feed, With Overhead Pick-N-Place Loader/Unloader, Coolant, Mist Collector, Marposs E15 In-Process Gaging, GE Fanuc Series O-M CNC Control, Allen Bradley PLC-5/15 Programmable Control Automation Controller, Automatic Dressers, Truing, Compensation (Bldg 2, J-15)
- 2 - CINCINNATI MODEL 340-20 TWIN GRIP CENTERLESS GRINDERS, S/Ns 350520H5V-43, (#SMK-12), 350520H5V-0044, (#SM11-12), Thru-Feed Workrest, Hydraulic Dressers, Standard Relay Electrics, Fine/Coarse Compensation, Connected to Central Coolant System (Bldg 2, C-10)

(18) SURFACE GRINDERS

- 1 - MATTISON 24" X 48" HYDRAULIC SURFACE GRINDER, S/N NA, (#106935) Electromagnetic Chuck, Coolant (Bldg 2, Toolroom, H-4)
- 2 - THOMPSON/WATERBURY MODEL 2F 8" X 24" HYDRAULIC SURFACE GRINDERS, S/Ns 2F843357, 2F823269, Electromagnetic Chuck, With Variable Control, Over-the-Wheel Dresser, Wet Base, With Coolant (Bldg 2, Toolroom, J-3)
- 1 - OKAMOTO MODEL 820N 8" X 20" HYDRAULIC SURFACE GRINDER, S/N 2054, Electromagnetic Chuck, Incremental Feed, Manual Over-the-Wheel Dresser, External Coolant System (Bldg 1, Maintenance)
- 1 - ABRASIVE 8" X 20" HYDRAULIC SURFACE GRINDER, S/N NA, Permanent Magnetic Chuck (Bldg 2, Area 1 Maintenance, N-10)
- 1 - MITSUI MODEL 250-H-2AH 8" X 18" HYDRAULIC SURFACE GRINDER, S/N 81051717, Permanent Magnetic Chuck, Incremental Feed, Manual Over-the-Wheel Dresser (Bldg 2, Area 1 Maintenance, N-10)
- 1 - BROWN & SHARPE 818 MICROMASTER 8" X 18" HYDRAULIC SURFACE GRINDER, S/N 523-8186-9347, Electromagnetic Chuck, Hydraulic Over-the-Wheel Dresser, Walker Variable Chuck Control, Torit Dust Collector (Bldg 2, Area 2 Maintenance, P-15)
- 1 - BROWN & SHARPE MODEL 818 MICROMASTER 8" X 18" HYDRAULIC SURFACE GRINDER, S/N 523-818-9202, 6" x 12" Permanent Magnetic Sine Chuck, Mitutoyo 2-Axis Readout (Bldg 2, Toolroom, J-3)
- 1 - BROWN & SHARPE MODEL 618 MICROMASTER 6" X 18" HYDRAULIC SURFACE GRINDER, S/N 523-6181-2204, (#139657), Permanent Magnetic Chuck (Bldg 2, Toolroom, J-2)
- 1 - BROWN & SHARPE MODEL 618 MICROMASTER 6" X 18" HYDRAULIC SURFACE GRINDER, S/N 523-6181-2203, Electromagnetic Chuck, Coolant (Bldg 2, Toolroom, J-2)
- 1 - BROWN & SHARPE MODEL 618 MICROMASTER 6" X 18" HYDRAULIC SURFACE GRINDER, S/N 523-6181-3219, 5" X 10" Permanent Magnetic Chuck (Bldg 2, Area 2 Maintenance, P-15)
- 1 - BROWN & SHARPE MODEL 618 MICROMASTER 6" X 18" HYDRAULIC SURFACE GRINDER, S/N 523-6181-2295, (#140229), Permanent Magnetic Chuck (Bldg 2, G-11)
- 1 - BROWN & SHARPE MODEL 618 MICROMASTER 6" X 18" HAND FEED SURFACE GRINDER, S/N 523-6180-5484, (#P614886), Permanent Magnetic Chuck, Mitutoyo 2-Axis Readout (Bldg 2, Toolroom, J-3)
- 1 - BROWN & SHARPE MODEL 618 MICROMASTER 6" X 18" HAND FEED SURFACE GRINDER, S/N 523-6180-673, (#133365), 6" x 11" Permanent Magnetic Sine Chuck (Bldg 2, Toolroom, J-2)
- 1 - BROWN & SHARPE NO.2 6" X 18" HAND FEED SURFACE GRINDER, S/N NA, Permanent Magnetic Chuck (Bldg 2, Area 2 Maintenance, P-15)
- 1 - BROWN & SHARPE NO.2LB 6" X 18" SURFACE GRINDER, S/N 523-2-1492, Permanent Magnetic Chuck (Bldg 1, Maintenance)
- 1 - PARKER MAJESTIC MODEL ZV 6" X 12" HAND FEED SURFACE GRINDER, S/N 5091-ZV-84, 6" x 12" Electromagnetic Sine Chuck, With Walker Variable Control, Power Elevation, Sony 2-Axis Readout (Bldg 2, Toolroom, J-3)
- 1 - BROWN & SHARPE NO. 2LB 6" X 12" HAND FEED SURFACE GRINDER, S/N 523-2-109, (#117254), 6" x 10" Permanent Magnetic Chuck (Bldg 2, Toolroom, H-2)

ID, & ID/OD GRINDERS

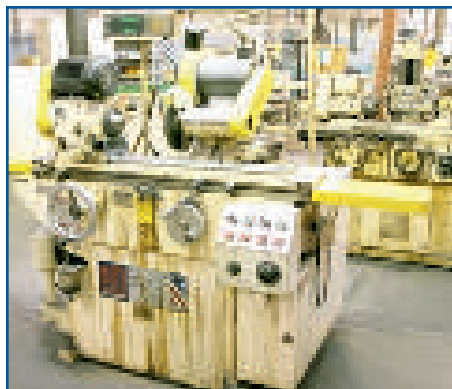
- 1 - PARKER MAJESTIC MODEL 11 ID GRINDER, S/N 6305-11-98 (1998), Universal Motorized Workhead, With Collet Chuck, Variable Head & Table Speed Controls, 3600 RPM Spindle, Acu-Rite 2-Axis Readout (Bldg 2, Toolroom, J-3)
- 1 - PARKER MAJESTIC MODEL 1C ID/OD GRINDER, S/N 2439-1C-85, Variable Table & Workhead Speed Control, Collet Nose Workhead Chuck, Coolant, Sony 2-Axis Readout (Bldg 2, Toolroom, J-3)
- 1 - BROWN & SHARPE NO. 3 UNIVERSAL ID/OD GRINDING MACHINE, S/N 521-3-33 (#117256), 12" Swing x 32" Centers, Motorized Workhead, Tailstock, Drop-Down ID Spindle, Coolant, Mitutoyo 2-Axis Readout (Bldg 2, Toolroom, J-3)
- 1 - BROWN & SHARPE NO. 1 UNIVERSAL ID/OD GRINDING MACHINE, S/N 521-1-604 (#139132), 10" Swing x 20" Centers, Motorized Workhead, Tailstock, Drop-Down ID Spindle, Mitutoyo 2-Axis Readout, Coolant (Bldg 2, Toolroom, J-3)
- 1 - BROWN & SHARPE NO. 13 8" X 24" UNIVERSAL TOOL & GRINDING MACHINE, S/N 525-13-651 (#120887) (Bldg 2, Toolroom, J-3)

DRILL GRINDERS

- 1 - DAMA OPTIKMASCHINEN MODEL METEOR MM12 HIGH SPEED PRECISION OPTICAL DRILL GRINDER, S/N 4078 (2000), 9" Monitor Screen, Lyon Work Table Mounted (Bldg 2, Toolroom, H-2)
- 1 - OLIVER MODEL 510DRILL POINT GRINDER, S/N RJ 19750, (Bldg 2, Toolroom, H-2)
- 1 - FARREL SELLERS MODEL 1GADRILL POINT GRINDER, S/N 61R1551, (#P498166) (Bldg 2, Toolroom H-2)
- 1 - DAREX DOUBLE-END DRILL SHARPENER, S/N 58022
- 1 - UTD DOUBLE-END DRILL SHARPENER (Bldg 2, Toolroom, H-2)

TOOL & CUTTER GRINDERS

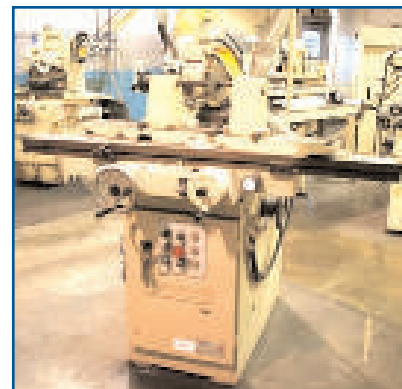
- 1 - G&L/DAVIS WINSLOMATIC HR HELICAL TOOL POINT GRINDER, S/N 947-002-12-87, (#F736204) (Bldg 2, Toolroom, H-2)
- 1 - HYBCO MODEL 1900FORM RELIEF TOOL & CUTTER GRINDER, S/N TG-445, (#P650350), Model 2100 SB Variable Speed Head, S/N RF-997, 8" Optical Comparator (Bldg 2, Toolroom, H-2)
- 1 - SENECA FALLS MODEL 25ROFORM RELIEF TOOL & CUTTER GRINDER, S/N 25R02337, 12" Optical Comparator, Acu-Rite Qwikcount 2-Axis Readout (Bldg 2, Toolroom, H-2)
- 1 - TOP WORK INDUSTRY MODEL CM-2 TOOL & CUTTER GRINDER, S/N 1328 (2000), Monoset Style (Bldg 2, Toolroom, H-2)
- 1 - CINCINNATI MILACRON TOOL & CUTTER GRINDER, S/N 39301 (#730262), Model NA (Bldg 2, Toolroom, H-2)
- 1 - R-O MANUFACTURING TOOL & CUTTER GRINDER, S/N 902-G (#133697) (Bldg 2, Toolroom, H-2)
- 1 - BROWN & SHARPE NO. 10N TOOL & CUTTER GRINDER, S/N 525-10-200, (Bldg 2, Toolroom, J-3)
- 1 - NORTON TOOL & CUTTER GRINDER, S/N NA, (Bldg 2, Toolroom, H-2)
- 1 - GENERAL INDUSTRIAL DIAMOND MODEL 252 TOOL GRINDER, S/N 030593, Universal Wheelhead, X-Y Table, 12" Optical Comparator, Accu-Rite III 2-Axis Readout, Tornado Dust Collector (Bldg 2, Toolroom, F-3)



PARKER MAJESTIC MODEL 1C ID/OD GRINDER



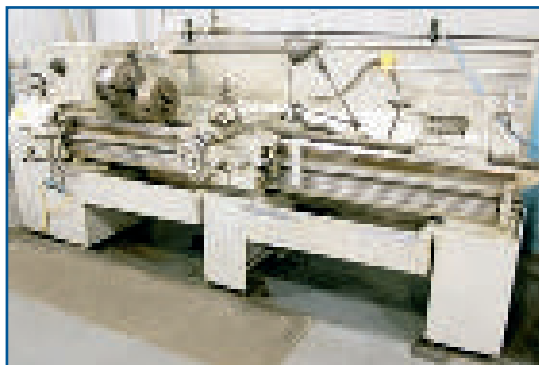
BROWN & SHARPE NO. 3 UNIVERSAL ID/OD GRINDING MACHINE



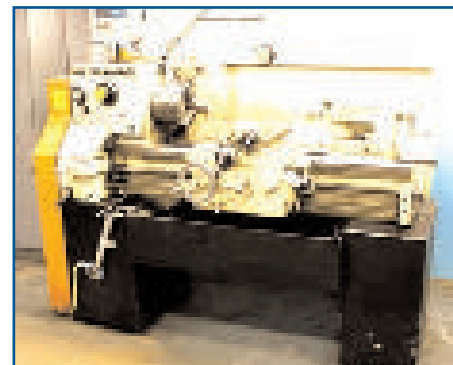
CINCINNATI MILACRON TOOL & CUTTER GRINDER



HARDINGE MODEL HLV-H DOVETAIL BED TOOLROOM LATHE



LEBLOND REGAL SERVO SHIFT 19" X 84" ENGINE LATHE



LEBLOND MAKINO REGAL SERVO SHIFT 15" X 36" ENGINE LATHE

(24) MISCELLANEOUS GRINDERS

- 1 - J.G. BLOUNT 20" SINGLE WHEEL SNAG GRINDER, S/N F494, (#119894), 2-1/2" Wheel Width (Bldg 2, Area 2 Maintenance, P-15)
- 1 - J.G. BLOUNT 16" SINGLE WHEEL SNAG GRINDER, S/N F481, (#116332), 2-1/2" Wheel Width (Bldg 2, Toolroom, H-2)
- 1 - WILTON COMBINATION 6" BELT/12" DISC SANDER/GRINDER, MODEL & S/N NA (Bldg 2, Area 1 Maintenance, N-9)
- 1 - WILTON MODEL 4203 6" BELT/12" DISC COMBINATION SANDER/GRINDER, S/N 30085 (Bldg 1, Maintenance)
- 1 - WILTON MODEL 4204 6" BELT/12" DISC COMBINATION SANDER/GRINDER, S/N 28315 (Bldg 2, Toolroom, G-2)
- 1 - 8" VERTICAL BELT SANDER/GRINDER, MFG & S/N NA (Bldg 2, Area 2 Maintenance, P-15)
- 1 - 6" VERTICAL BELT SANDER/GRINDER, MFG NA (Bldg 2, Area 2 Maintenance, P-15)
- 1 - BALDOR MODEL 1216W 12" 3-HP DOUBLE-END PEDESTAL GRINDER, S/N F682, 2" Wheel Width (Bldg 2, Area 2 Maintenance, P-15)
- 1 - BALDOR MODEL 1216W 12" 3-HP DOUBLE-END PEDESTAL GRINDER, S/N F682, 2" Wheel Width (Bldg 2, Area 2 Maintenance, N-16)
- 1 - BALDOR MODEL 1021WD 10" 1-1/2-HP DOUBLE-END PEDESTAL GRINDER, S/N F1178 (Bldg 2, Area 1 Maintenance, N-10)
- 1 - BALDOR MODEL 409B 10" 1-1/2-HP DOUBLE-END PEDESTAL POLISHER/BUFFER, S/N F1182 (Bldg 2, Area 1 Maintenance, N-9)
- 1 - CINCINNATI MODEL 104 10" 1-HP DOUBLE-END PEDESTAL GRINDER, S/N 248218 (Bldg 2, Area 2 Maintenance, P-15)
- 1 - CINCINNATI MODEL 180 10" 1-HP DOUBLE-END PEDESTAL GRINDER, S/N 220533, (#119869) (Bldg 2, Toolroom, H-2)
- 1 - JAY ELECTRIC 10" DOUBLE-END PEDESTAL GRINDER, S/N 79455, With Arrestall Dust Collector (Bldg 2, Toolroom, G-2)
- 1 - DAYTON MODEL 42912B 10" 1-HP DOUBLE-END GRINDER (Bldg 2, Toolroom H-2)
- 1 - 10" DOUBLE-END PEDESTAL GRINDER, MFG NA (Bldg 2, Area 2 Maintenance, P-15)
- 1 - 10" DOUBLE-END PEDESTAL POLISHER/BUFFER, S/N NA, (#69044), (Bldg 2, Toolroom, H-2)
- 1 - CINCINNATI MODEL 1758 8" 1-HP DOUBLE-END GRINDER, S/N 216947, With Arrestall Dust Collector (Bldg 2, Toolroom, F-2)
- 1 - ROCKWELL MODEL 23-1371-1/2-HP 8" DOUBLE-END GRINDER, S/N 010-224-4, With Stand (Bldg 1, B-2)
- 1 - DAYTON 7" 1/2-HP DOUBLE-END PEDESTAL GRINDER, S/N NA (Bldg 2, Toolroom, G-2)
- 1 - DAYTON MODEL 12707X 7" 3/4-HP DOUBLE-END PEDESTAL GRINDER (Bldg 2, Area 1 Maintenance, N-10)
- 1 - DAYTON MODEL 22341N 7" 1/2-HP DOUBLE-END PEDESTAL GRINDER, S/N NA (Bldg 2, G-11)
- 1 - EX-CELL-O 6" DOUBLE-END CARBIDE GRINDER, S/N NA, (#121049)
- 1 - SINGLE-END PEDESTAL TYPE WIRE WHEEL BUFFER, MFG NA (Bldg 2, Area 2 Maintenance, P-15)

(16) LATHES

- 1 - LEBLOND MAKINO REGAL SERVO SHIFT 25" X 64" RAISED HEAD ENGINE LATHE, S/N 15E-612, Spindle Speeds 40 - 1600 RPM, Quick Change Threading, Taper Attachment, 3" Hole Thru Spindle, Mitutoyo 2-Axis Readout, Removable Chip Pan, Splash Guard (Bldg 2, Toolroom, F-2)
- 1 - LEBLOND REGAL SERVO SHIFT 19" X 84" ENGINE LATHE, S/N 12E-877, Spindle Speeds 40 - 1600 RPM, Quick Change Threading, Threading Dial, Micrometer Stop, Taper Attachment, 3" Hole-Thru Spindle (Bldg 2, Area 1 Maintenance, N-10)
- 1 - LEBLOND REGAL SERVO SHIFT 19" X 84" ENGINE LATHE, S/N 13E-192, (#P651922), Spindle Speeds 40 - 1600 RPM, Quick Change Threading, Threading Dial, Taper Attachment, Micrometer Stop, 3" Hole-Thru Spindle, Trak 2-Axis Readout, (2) Removable Chip Pans, Splash Guard (Bldg 2, Area 2 Maintenance, P-15)
- 1 - MONARCH MODEL 20 22-1/2" X 96" ENGINE LATHE, S/N 40070, (16) Spindle Speeds 17 - 700 RPM, Quick Change Threading, Taper Attachment, 1-1/2" Hole-Thru Spindle (Bldg 2, Area 2 Maintenance, P-15)
- 1 - LEBLOND MAKINO REGAL SERVO SHIFT 15" X 60" ENGINE LATHE, S/N 15C-269, (#F744069), Spindle Speeds 45 - 1800 RPM, Quick Change Threading, Threading Dial, Micrometer Stop, Taper Attachment, 2-1/4" Hole-Thru Spindle, Anilam Mini Wizard 1-Axis Readout, Removable chip Pan, Splash Guard (Bldg 2, Area 1 Maintenance, N-10)
- 1 - LEBLOND MAKINO REGAL SERVO SHIFT 15" X 36" ENGINE LATHE, S/N 11C-273, (#PM509), Spindle Speeds 45 - 1800 RPM, Quick Change Threading, 2-1/4" Hole-Thru Spindle, Trak 2-Axis Readout (Bldg 2, Toolroom, F-3)
- 1 - LEBLOND TOOL & DIE MAKER 15" X 36" ENGINE LATHE, S/N 4HC-559, (#137363), Spindle Speeds 31-2400 RPM, Quick Change Threading, 1-5/8" Hole-Thru Spindle, Mitutoyo 2-Axis Readout, Removable Chip Pan (Bldg 2, Toolroom, F-3)
- 1 - LEBLOND MAKINO REGAL SERVO SHIFT 15" X 36" ENGINE LATHE, S/N 15C-1062, Spindle Speeds 45 - 1800 RPM, quick Change Threading, 2-1/4" Hole-Thru Spindle, Mitutoyo 2-Axis Readout, Removable Chip Pan, Splash Guard (Bldg 2, Toolroom, F-2)
- 1 - LEBLOND MAKINO REGAL SERVO SHIFT 15" X 36" ENGINE LATHE, S/N 15C-1064, Spindle Speeds 45 - 1800 RPM, Quick Change Threading, Threading Dial, 2-1/4" Hole-Thru Spindle, Mitutoyo 2-Axis Readout, Removable Chip Pan, Splash Guard (Bldg 1, Maintenance)
- 1 - HARDINGE MODEL HLV-H DOVETAIL BED TOOLROOM LATHE, S/N HLV-H-11891-T, (#730223), Variable Spindle Speeds 125 - 3000 RPM, Variable Power Carriage Feed, Threading, 5C Collet Chuck, Mitutoyo 2-Axis Readout, Cabinet Base, With Coolant (Bldg 2, Toolroom, F-3)
- 1 - HARDINGE MODEL HSL-5C BENCH TOP SPEED LATHE, S/N HSL-5C-5690-T, 8" Swing, 5C Collet Chuck (Bldg 2, Toolroom, G-2)
- 1 - HARDINGE MODEL HSL-59 BENCH TOP SPEED LATHE, S/N HSL-5C-6039-T, 5C Collet Chuck (Bldg 2, Toolroom CNC Dept)
- 1 - HARDINGE MODEL DV-59 DOVETAIL BED SECOND OPERATION LATHE, S/N NA, 8" x 19" (Bldg 2, Toolroom, G-2)
- 1 - MONARCH MODEL 10EE 12-1/2" X 20" TOOLMAKERS LATHE, S/N 41607, Spindle Speeds Variable 0 - 4000 RPM, Quick Change Threading, Taper Attachment, 1-1/4" Hole-Thru Spindle, Mitutoyo 2-Axis Readout (Bldg 2, Area 2 Maintenance, P-15)
- 1 - MONARCH MODEL 10EE 12-1/2" X 20" TOOLMAKERS LATHE, S/N 17358, Threading, 1-1/2" Hole-Thru Spindle, Collet Chuck (Bldg 2, Area 2 Maintenance, P-15)
- 1 - ROCKWELL MODEL 25-450 11" X 42" ENGINE LATHE, S/N 1756542, Threading, 1-1/4" Hole-Thru Spindle (Bldg 2, Area 2 Maintenance, P-15)

FOUR-SLIDE MACHINES • SCREW MACHINES • AIR COMPRESSORS



LENNOX METLMASTER MODEL TRU-EDGE 200
CIRCLE SHEAR



(1 OF 2) DAVENPORT MODEL B3/4" 5-SPINDLE
LONG BED AUTOMATIC SCREW MACHINES



(1 OF 2) DYNA SLIDE AUTO
PARTS FEEDERS



MUBEA MODEL KBLH700
IRONWORKER



JOY MODEL TA30 TURBO AIR 800-HP
CENTRIFUGAL AIR COMPRESSOR



COOPER MODEL TURBO AIR
1250-HP CENTRIFUGAL AIR COMPRESSOR

HORIZONTAL BORING MILL

- 1- LUCAS MODEL 41B-484" TABLE TYPE HORIZONTAL BORING MILL, S/N 41B-1104, 4" Spindle Bar Diameter, Table Size 34" x 62", Travels: 48" Vertical, 48" Table, 56" Saddle, (18) Spindle Speeds 13 - 1500 RPM, Morse Spindle Taper, 4-Way Bed, Anilam Mini Wizard 2-Axis Redout, Outboard Spindle Support (Bldg 2, Toolroom, G-3)

CNC/NC ELECTRICAL DISCHARGE MACHINES

- 2- CHARMILLES ANDREW MODEL EF22-930 3-AXIS WIRE CUT ELECTRICAL DISCHARGE MACHINES, S/Ns 9525, 9524, Maximum Workpiece Size 27" x 47", Maximum Workpiece Thickness 6", Travels: 30" X, 15" Y, 1Degree C, Maximum Throat Depth 19", Wire Diameter Range .004 - .014", Control Cabinet, With Tape Drive & Data Entry Keypad, External Dielectric Fluid Tank & Chiller, 48" x 67" x 8" Granite Table Base (Bldg 2, Toolroom CNC Dept)

IRONWORKER

- 1- MUBEA MODEL KBLH700 IRONWORKER, S/N 0156385939672, (#SH2202), 77-TON, Shear Capacity 8" x 7/8" - 20" x 5/8", Notch 3-3/8" x 2-9/16" x 1/2", Angle Capacity 6" x 6" x 1/2", Rounds Capacity 1-1/2", Squares Capacity 1-3/8", Punch Capacity 1-1/4" x 3/4" - 1-1/8" x 13/16" (Bldg 2, Area 2 Maintenance, P-15)

SHEET METAL FABRICATING EQUIPMENT

- 1- NIAGARA MODEL 88 8' X 1/4" POWER SQUARING SHEAR, S/N 59111, (2) 35" Stock Support Arms (Bldg 2, Area 2 Maintenance, N-16)
- 1- DREIS & KRUMP CHICAGO MODEL 185 8' X 1/4" POWER APRON BRAKE, S/N 119701 (Bldg 2, Area 2 Maintenance, N-16)
- 1- DREIS & KRUMP CHICAGO MODEL BP6126 72" FINGER TYPE SHEET METAL BENDING BRAKE, S/N 318722 (Bldg 2, Area 2 Maintenance, N-16)
- 1- LENNOX METLMASTER MODEL TRU-EDGE 200 CIRCLE SHEAR, S/N L-1336, 45" Throat (Bldg 2, Area 2 Maintenance, N-16)
- 1- NIAGARA 42" INITIAL TYPE POWER SLIP FORMING ROLLS, S/N NA (Bldg 2, Area 2 Maintenance, N-16)

THREAD ROLLER

- 1- KINEFAC MODEL MC-5-F2-DIE HORIZONTAL THREAD ROLLER, S/N T-1-109, (#FA1J51), With Convey-All Magazine Loader & Auto In-Feed, Pneumatic Ejector (Bldg 2, Upstairs)

AUTOMATIC SCREW MACHINES

- 2- DAVENPORT MODEL B3/4" 5-SPINDLE LONG BED AUTOMATIC SCREW MACHINES, S/Ns 10018-L, 10019-L (#s SML03, SML04), Sound Enclosure, Stock Reel, With Sound Enclosure, Pick-Off, Back Finish (Bldg 2, B-10)

WELDERS

- 1- HOBART MODEL M-400400 AMP GENERATOR TYPE ARC WELDER, S/N 82WS08540, Arc Welding Leads (Bldg 2, Area 2 Maintenance, P-15)
- 1- HOBART MODEL CYBER-TIG 300, 300 AMP WELDING POWER SUPPLY, S/N 78WS28410, Tig Welding Leads, Water Cooler (Bldg 2, Area 2 Maintenance, P-15)
- 1- HOBART MEGA-PULSE 400 AMP WELDING POWER SUPPLY, S/N 86WS10260, With Hobart 2450 Wire Feeder
- 1- LINCOLN IDEALARC DC-400 WELDING POWER SUPPLY, S/N AC-696523, With LN-7 Wire Feeder (Bldg 2, Area 2 Maintenance, N-16)
- 1- HOBART MODEL M300300 AMP GENERATOR TYPE ARC WELDER, S/N 12CW-43799 (Bldg 2, Area 2 Maintenance, N-16)
- 1- HYPERTHERM MODEL MAX 100 PLASMA CUTTER, S/N NA (Bldg 2, Area 2 Maintenance, P-15)

WOODWORKING EQUIPMENT (BLDG 2, AREA 2 MAINTENANCE CARPENTER SHOP)

- 1- ROCKWELL MODEL 12/14 TILTING ARBOR TABLE SAW, S/N 1804130, With Beismeyer Saw Adjustable Fence
 - 1- DELTA MODEL 33-082 14" RADIAL ARM SAW, S/N 89J84303
 - 1- POWERMATIC 6" BENCH TOP JOINTER, S/N 3-7199
 - 1- WOOD LATHE, Mfg & S/N NA
 - 1- DAYTON MODEL 6Y001COMBINATION 6" BELT/9" DISC SANDER, S/N NA
 - 1- ROCKWELL MODEL 17-600 17" DRILL PRESS, S/N 1437328
- LOT OF CARPENTER SHOP ACCESSORIES INCLUDING: Hand Tools, Electric & Pneumatic Power Tools, Clamps, Portable Dust Collectors, Shop Vacs, Storage Cabinets, etc.

AIR COMPRESSORS & DRYERS

(Note: These may be sold with real estate)

- 1- COOPER MODEL TURBO AIR 1250-HP CENTRIFUGAL AIR COMPRESSOR, S/N F11807, Quad 2000 Microprocessor Controls (Power House)
- 1- JOY MODEL TA30TURBO AIR 800-HP CENTRIFUGAL AIR COMPRESSOR, S/N BE5539, 3250 CFM, Microprocessor Controls (Power House)
- 1- JOY MODEL TURBO AIR 18 400-HP ROTARY CENTRIFUGAL AIR COMPRESSOR, S/N F09765, Quad III Microprocessor Controls (Power House)
- 1- JOY MODEL TURBO AIR 18 300-HP CENTRIFUGAL AIR COMPRESSOR, S/N F09764, Quad III Microprocessor Controls (Power House)
- 1- INGERSOLL RAND TWO-STAGE HORIZONTAL TANK MOUNTED AIR COMPRESSOR, S/N NA, Approximately 7-1/2-HP (Vehicle Garage)
- 2- ZURN MODEL R940A REFRIGERATED COMPRESSED AIR DRYERS, S/Ns R11077, R11078, 4000 SCFM, Open Skid Mounted, M.W.P. 200 PSIG (Bldg 1)

HEAT TREAT

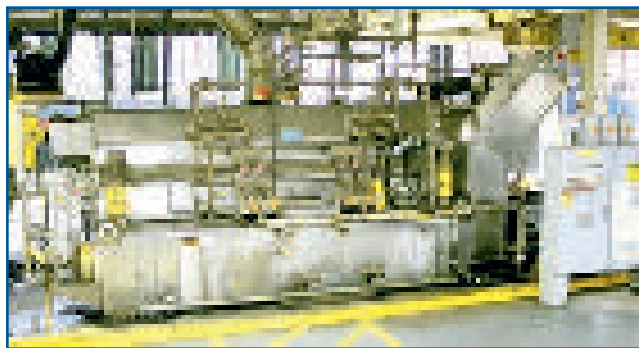
- 1- ALEXANDER MODEL HB181612SODIUM NITRATE HEATER, S/N 377, (#584424) Electric, 1000 Degree Fahrenheit Maximum Temperature (Bldg 2, Toolroom, H-2)
- 1- ALEXANDER MODEL HB10102424 KW ELECTRIC FURNACE, S/N 324, (#P498398) 2400 Degree Fahrenheit Maximum Temperature, Approximate Dimensions 10" x 10" x 24" (Bldg 2, Toolroom, H-2)
- 1- ELECTRIC FURNACE, MFG'R NA, S/N NA, (#P498330), 4-1/2" x 4" x 11" Size (Bldg 2, Toolroom, H-2)
- 2- QUENCH TANKS, 48" x 30" x 24", Carbon Steel, Exhaust Hoods, Recirculation Pump (Bldg 2, Toolroom, H-2)

PARTS WASHERS & FINISHERS • MIST & DUST COLLECTORS

2003



HURRICANE MODEL 5018-W/R-BO CONVEYORIZED THRU-FEED PARTS WASHER



RANSOHOFF ROTARY DRUM THRU-FEED PARTS WASHER

PARTS WASHERS & FINISHERS

- 1 - **HURRICANE MODEL 5018-W/R-BO CONVEYORIZED THRU-FEED PARTS WASHER**, S/N 44522 (2003) (#CH1D60), Stainless Steel Wire Mesh, Belt Size 18" Wide x 15' Length, 6" High Opening, Electric Heat, Single Stage Wash & Rinse, 286-Gallon Wash Tank, 190-Gallon Rinse Tank, Stainless Steel Construction, (4) Cartridge Filters, Allen Bradley SLC-5/04 PLC Controls, With Panel View 600 Entry Keypad/Screen (Bldg 1, E-13)
- 1 - **RANSOHOFF ROTARY DRUM THRU-FEED PARTS WASHER**, S/N H2633 (#CH1D75), 36" Diameter x 20' Long Drum Size, Single Stage Wash & Rinse, Process Steam Heated, Air Blow-Off Exit, Stainless Steel Construction, 520-Gallon Wash & Rinse Tanks, Allen Bradley PLC-5/11 Programmable Controller (Bldg 1, C-8)
- 1 - **HURRICANE ROTARY DRUM THRU-FEED PARTS WASHER**, S/N NA, (#CBT-369243A/PR1A20), 24" Diameter x 18' Long Drum Size, Single Stage Wash & Rinse, Process Steam Heated, Stainless Steel Construction, Feed Hopper, With Vibratory Parts Feeder, Standard Relay Electrics (Bldg 1, C-6)
- 1 - **HURRICANE CONVEYORIZED THRU-FEED PARTS WASHER**, S/N PO-850718 (#PR1A19), Stainless Steel Wire Mesh Belt Size 24" Wide x 20' Length, 12" High Opening, Process Steam Heated, Single Stage Wash & Rinse, Carbon Steel construction (Bldg 1, C-6)
- 1 - **CENTRI-SPRAY CONVEYORIZED THRU-FEED PARTS WASHER**, S/N NA (#CH2A15), Wire Mesh Belt Size 18" Wide x 22' Long, Process Steam Heat, Single Stage Wash & Rinse, Hot Air Blow-Off Exit, Carbon Steel Construction (Bldg 2, B-10)
- 1 - **GRAYMILLS LIFT KLEEN PARTS WASHING TANK**, S/N NA, Tank Size 36" x 59" x 35" Deep, Pneumatic Tray Oscillation (Bldg 2, C-11)
- 1 - **GRAYMILLS LIFT KLEEN PARTS WASHING TANK**, S/N 44587, Tank Size 24" x 32" x 35" Deep, Pneumatic Tray Oscillation (Bldg 2, C-11)
- 3 - **RAMPE ROTARY DRUM PARTS TUMBLER/FINISHERS**, MODEL & S/N NA, (#s PR1A22, PR1A23, PR1A25), 24" Diameter x 30" Drum, Sound Enclosure (Bldg 1, C-5)

COOLANT FILTRATION

- 1 - **HENRY MODEL 360 MV-MEDIA VAC CENTRAL COOLANT FILTRATION UNIT**, S/N 4195, (#702P9225), 51" Width Paper Filtration Media, Floor Standing, Sludge Holding Tank, With Drag-Out Conveyor, Tank Size Approximately 18' x 8'W x 4'H, Approximately 24' Overall Length, Single Recirculation Pump (Bldg 2, C-11)

PARTS FEEDERS

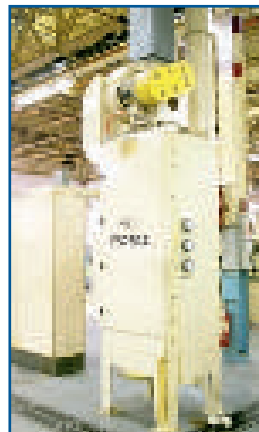
- 2 - **DYNA SLIDE AUTOMATIC PARTS FEEDERS**, S/Ns NA, Vibratory Feed Hopper, Vibratory Unscrambler Ramp & Chute, Variable Velocity Speed Controls, Stand Mounted (Bldg 1, C-13)
- 1 - **FEEDALL MODEL 2400AUTOMATIC PARTS FEEDER**, S/N 8041, With Feed Hopper, Inclined Unscrambler Conveyor, Feed Track (Bldg 2, C-10)

CENTRAL OIL MIST COLLECTOR

- 1 - **AIRE CON MODEL BRH2000OIL MIST COLLECTOR**, S/N MC0496, (#FS2B34), 2000 CFM Capacity, Steel Leg Mounted, (3) Magnehelic Indicator Gauges (Bldg 2, J-15)



(1 OF 2) TORIT DONALDSON DF-2DF8 DUST COLLECTORS



AIRE CON MODEL BRH2000OIL MIST COLLECTOR



LECO CM-24A WET TYPE AUTOMATIC ABRASIVE CUT-OFF MACHINE

ABRASIVE BLAST CABINETS

- 1 - **TRINCO MODEL 36/BP ABRASIVE BLAST CABINET**, S/N 41211-4, 24" x 36" Cabinet Size, With BP2 Dust Collector (Bldg 2, Area 1 Maintenance, N-9)
- 1 - **ECONOLINE 24" X 42" ABRASIVE BLAST CABINET**, S/N NA, With Dust Collector (Bldg 2, Area 2 Maintenance, P-15)
- 1 - **TRINCO MODEL 38/30 OCFM ABRASIVE BLAST CABINET**, S/N 26378-3A, 38" x 30" Cabinet Size, With Dust Collector (Bldg 2, Toolroom, H-2)
- 1 - **GUYSON MODEL F500 ABRASIVE BLAST CABINET**, S/N F1074, 20" x 30" Cabinet Size, With Dayton Dust Collector (Bldg 2, Toolroom, H-2)

DUST COLLECTORS

- 2 - **TORIT DONALDSON MODEL DF-2DF8 DUST COLLECTORS**, S/Ns IG071976 (Both), Stand Mounted, 15-HP, Rotary Airlock Discharge, (4) Replaceable Cartridge Filters (Bldg 2, M-18/H-17)
- 1 - **DCE SINTAMATIC TYPE SU24RS4AD DUST COLLECTOR**, S/N 88-1511/3, 5.5 KW, Stand Mounted, Rotary Airlock Discharge, Pneumatic Pulse Jet (Bldg 2, H-19)
- 1 - **DCE SINTAMATIC TYPE SU243S4AD DUST COLLECTOR**, S/N 88-1809, 5.5 KW, Stand Mounted, Rotary Airlock Discharge, Pneumatic Pulse Jet (Bldg 2, H-19)
- 1 - **AIR QUALITY CONTROL GRINDING DEPARTMENT CENTRALIZED DUST COLLECTOR**, MODEL & S/N NA (Bldg 2, Toolroom, H-2)

CONVEYOR SYSTEM

- 1 - **MAYFRAN UNDERGROUND PARTS/SCRAP CONVEYOR SYSTEM**, S/N 931061, 20" Hinged Metal Belt, (2) Feeder Runs, Approximately 35' Main Collector Conveyor, Inclined Discharge, Allen Bradley PLC Controls, With DataLiner Entry Keypad (Bldg 1, E-13)

MISCELLANEOUS MACHINES/SHOP & FACTORY MACHINES

- 1 - **ELECTRO-ARC MODEL 1SQTMETAL DISINTEGRATOR**, S/N 12310, (#P584196), 10 KW, 23-1/2" x 34-1/2" Work Table, Auto Feed Head (Bldg 2, Toolroom, G-3)
- 1 - **SUNNEN MODEL MBB-1290D-MS PRECISION HONE**, S/N 17389 (Bldg 2, Toolroom, F-3)
- 1 - **IPE MODEL CD-3 BENCH TOP CHAMFERING MACHINE**, S/N CD-7-65 (Bldg 2, Toolroom, F-3)
- 1 - **EVERETT 10" ABRASIVE CUT-OFF SAW**, S/N NA, Cabinet Mounted (Bldg 2, Toolroom, J-3)
- 1 - **JET 7" CAPACITY BENCH TOP POWER HACKSAW**, S/N NA (Bldg 2, Area 2 Maintenance, P-16)
- 1 - **EX-CELL-O MODEL 74-A CENTER LAP MACHINE**, S/N 74379, (#116333) (Bldg 2, Toolroom, J-3)
- 5 - **HOSHIZAKI MODEL KML-450 MAH COMMERCIAL ICE DISPENSING MACHINES**, S/Ns P06451C, P17077F (Bldg 2, Cafeteria/Lunchroom), P17086F (Bldg 2, Breakroom E-19), P17086F (Bldg 2, Breakroom E-19), P17078P (Bldg 2, Main Office/Lobby Stairwell Breakroom), P17076F (Bldg 2, Breakroom, N-8)
- 1 - **HOSHIZAKI MODEL DM-180A COMMERCIAL ICE DISPENSING MACHINE**, S/N P01650E (Bldg 2, Toolroom/Breakroom)
- 1 - **HOSHIZAKI COMMERCIAL ICE DISPENSING MACHINE**, MODEL & S/N NA, (Bldg 2, Area 1 Maintenance, P-15)
- 1 - **BINKS 48" X 36" X 40" FREE STANDING DRY FILTER PAINT BOOTH**, S/N NA, Bolted Construction, Exhaust System (Bldg 2, G-11)
- 1 - **HAZ-STOR MODULAR HAZARDOUS MATERIAL STORAGE CONTAINER**, S/N NA, Semi-Portable, Skid Base, 12' x 8' x 8", Double Wide Entry Door, Exhaust System, Kiddie Model IND-50 Dry Chemical Fire Suppression System, With Scorpio Controller (Bldg 2, B-11)
- 1 - **CREATIVE AUTOMATION 4" OVERHEAD MAGNETIC BRIDGE CONVEYOR**, With (1) Eriez Magnetics Style 9942768 4" Belt Conveyor, S/N 142222, 8-1/2' High x 15-1/2' Wide (Bldg 2, L-16)
- 1 - **CAE MODEL PLT-5XCO2 MINI BLASTER PORTABLE CRYOGENIC ICE BLASTER CLEANING MACHINE**, S/N NA (Bldg 2, Filter Crib)
- 1 - **GREENLEE 555 ELECTRIC POWERED CONDUIT BENDER**, S/N NA (Bldg 2, Area 1 Maintenance, Project Crib)
- 4 - **RIDGID MODEL 535 POWER PIPE THREADING MACHINES**, S/Ns 374863 (N-9), NA (P-16), EC01163 (N-16), EC05931 (Chem Lab)
- 1 - **RIDGID MODEL 300-T2 POWER PIPE THREADER**, S/N ED-19435-C94
- 1 - **RIDGID MODEL 925-2 POWER ROLL GROOVING MACHINE**, S/N 5104, Mounted on Model 300 Drive Head, S/N 712066, Bldg 2, Area 2 Maintenance, P-16)
- 1 - **PARKER MODEL 632 HYDRAULIC TUBING BENDER**, S/N 1441, With Greenlee Electric Hydraulic Power Unit, Portable Steel Table Mounted, Bending Dies (N-9)
- 1 - **OLSEN MODEL 50DBF POWER TUBE END FLARING MACHINE**, S/N 2414 (N-9)
- 1 - **PARKER HYDRAULIC HOSE FITTING CRIMPING PRESS**, With Accessories (Bldg 1, Maintenance)
- 1 - **BENCH TOP DEMAGNETIZER**, MFG NA, Size 7-3/4" x 5-3/4" x 20-1/2" (Bldg 2, Toolroom, H-2)
- 1 - **GREENERD MODEL NO.4 FLOOR TYPE ARBOR PRESS**, S/N 546967, (#116335), 10" x 11" Adjustable Table (Bldg 2, Toolroom, F-2)
- 1 - **GREENERD MODEL NO.4 FLOOR TYPE ARBOR PRESS**, S/N 547181, 10" x 11" Adjustable Bed (Bldg 2, Area 2 Maintenance, N-15)
- 1 - **FAMCO MODEL NO.3-1/2C FLOOR TYPE ARBOR PRESS**, S/N NA (Bldg 2, F-11)
- 1 - **LUCAS MACHINE TOOL CO 30-TON RACK & PINION TYPE SCREW PRESS**, S/N NA, 30" Between Columns, 48" Under Ram (Bldg 2, Area 2 Maintenance, N-15)
- 1 - **MFG NA MANUAL SCREW TYPE STRAIGHTENING PRESS**, S/N NA, (#1854) (Bldg 2, Toolroom, H-2)
- 1 - **CUSTOM BUILT DISTRIBUTOR SHAFT ASSEMBLY PRESS**, With Enerpac Hydraulic Hand Pump & Ram (Bldg 2, G-11)

INSPECTION, QUALITY CONTROL & MATERIALS TESTING LAB EQUIPMENT



ZEISS PMC850 CNC BRIDGE TYPE COORDINATE MEASURING MACHINE



OPTICAL GAGING PRODUCTS OPTICOM QUALIFIER 30, 30" OPTICAL COMPARATOR



(2 OF 3) BROWN & SHARPE MICRO-HITE 24" DIGITAL HEIGHT GAUGES



THERMOTRON M-32C MINI MAX ENVIRONMENTAL TEST CHAMBER



VIEW OF WILSON ROCKWELL HARDNESS TESTERS

INSPECTION/QUALITY CONTROL

- 1 - ZEISS MODEL PMC850 CNC BRIDGE TYPE COORDINATE MEASURING MACHINE, S/N 78185, 46" x 63" Drilled & Tapped Granite Table, Y - 700mm (27.5"), Z - 600 mm (23.6"), Zeiss Touch Probe, 5-Station Linear Probe Changeover Holder, Joystick Control Board, Zeiss Control Console, With HP Visualize 82000 PC System, Operators Control Desk, Software Upgraded With UMES Version 8.61, Storage Cabinet, With 20+ Touch Probes (Bldg 2, Met. Lab)
- 1 - BROWN & SHARPE MODEL MICRO VAL PFX BENCH MOUNTED BRIDGE TYPE COORDINATE MEASURING MACHINE, S/N 015474, 22" x 29-1/2" Granite Table, 24" Between Columns, 17-1/4" Under Rail (Bldg 2, F-11)
- 1 - SHEFFIELD CORDAX MEASURING MACHINE, S/N 2-0246-1169, 26" x 37" Steel Table (Bldg 2, Met. Lab)
- 2 - BENDIX CORDAX 1000 MEASURING MACHINE, S/N 2-3888-0482, 18" x 30" Steel Table (Bldg 2, Met. Lab)
- 1 - OPTICAL GAGING PRODUCTS OPTICOM QUALIFIER 30, 30" OPTICAL COMPARATOR, S/N OQ300248, 8" x 32" Power Table, Magnification 10/20/31.25/50/62.5/100X, Di-Metric 2-Axis Digital Measuring System, With On-Line Multiplier, OGP Clip Plus 2-Axis Programmable Digital Vision Controller (Bldg 2, Met. Lab)
- 1 - BAUSCH & LOMB 20" OPTICAL COMPARATOR, S/N NA, (#P584476), 9-3/4" x 20" Worktable, (2) Mitutoyo Single Axis Readouts (Bldg 2, F-11)
- 1 - SCHERR TUMICO (S T INDUSTRIES) 14" OPTICAL COMPARATOR (Bldg 2, Grinder Room)
- 1 - MITUTOYO MODEL PH-3500 14" OPTICAL COMPARATOR, S/N 000172, Micro Pak 2 Programmable 2-Axis Readout (Bldg 2, Star Grinder Room)
- 1 - MITUTOYO MODEL PH-3500 14" OPTICAL COMPARATOR, S/N 900166, 5-3/4" x 17-3/4" Worktable, Micropak 2 2-Axis Readout, Metal Cabinet Base (Bldg 2, Toolroom, J-3)
- 1 - MITUTOYO MODEL PH-350 14" BENCH TOP OPTICAL COMPARATOR, S/N NA (Bldg 2, C-10)
- 1 - MICRO VU VIDEO MEASURING SYSTEM, S/N 3507, 12" x 12" X-Y Glass Viewing Table, With Sony 12" Monitor, Model PD-10 Focus Detector, Model 9010 Computerized Video Reticle, IBM PC System (Bldg 2, Met. Lab)
- 1 - MICRO VU VIDEO MEASUREMENT SYSTEM, MODEL & S/N NA, 6" x 6" Glass Viewing Table, Model FD-10 Focus Detector, Micro Vu Q16 3-Axis Programmable Computer/Readout, Model ED-51 Video Edge Detector, Panasonic ST-1000M 10" Color Video Monitor (Bldg 2, Star Grinder Room)
- 1 - WILSON MODEL 553-T SERIES 500 DIGITAL ROCKWELL HARDNESS TESTER, S/N 82244801, (#24YP-3-1) (Bldg 2, J-15)
- 1 - NEWAGE INDUSTRIES DIGITAL VERSITRON DIGITAL ROCKWELL HARDNESS TESTER, S/N NA (Bldg 2, Toolroom H-2)
- 3 - WILSON 3JR ROCKWELL HARDNESS TESTERS, S/Ns 3JR-7772, 3JR-5793, 3JR-8516 (Bldg 2, Met. Lab)
- 1 - WILSON MODEL 3R ROCKWELL HARDNESS TESTER, S/N 3R-2240 (Bldg 2, Met. Lab)
- 2 - WILSON MODEL 3JS ROCKWELL HARDNESS TESTERS, S/Ns 3JS-2333, 3JS-1543, (Bldg 2, Met. Lab)
- 3 - BROWN & SHARPE MODEL MICRO-HITE 24" DIGITAL HEIGHT GAUGES, MODEL 599-1011-20, S/Ns 3S1019506, 8B0115805, 8B0115806, Programmable Entry, Keypad, With Printer (Bldg 2, Met. Lab)
- 1 - HOMMEL WERKE MODEL LV50 ESURFACE CHECKER, S/N 507483, With Hommel T2000 Control, 18" x 24" Granite Table (Bldg 2, Met. Lab)
- 1 - MITUTOYO ROUND PAK RA116 ROUNDNESS ANALYSIS SYSTEM, S/N 940105 (1994), (Bldg 2, Met. Lab)
- 1 - HOMMEL WERKE ZWG-8305 ARMATURE SHAFT RUN-OUT GAUGE, S/N 121044, (Bldg 2, Met. Lab)
- 1 - ZEISS MODEL ULM6002 UNIVERSAL HORIZONTAL METROSCOPE, S/N NA, Dell PC System, EKM-W Control Software (Bldg 2, Met. Lab)
- 1 - TOLEDO MECHANICAL SPRING CHECKER, S/N NA (Bldg 2, Met. Lab)
- 1 - STARRETT 36" x 72" 4-LEDGE BLACK GRANITE SURFACE PLATE (Met. Lab)
- 3 - 30" x 60" 4 LEDGE BLACK GRANITE SURFACE PLATES (Met. Lab)
- 1 - 30" x 48" 2 LEDGE GRANITE SURFACE PLATE (Met. Lab)
- 1 - 36" x 48" 2 LEDGE GRANITE SURFACE PLATE (Met. Lab)
- 1 - STARRETT 24" x 48" PINK GRANITE SURFACE PLATE (Met. Lab)
- 1 - 36" x 48" x 8" GRANITE SURFACE PLATE, With Stand (Bldg 2, Toolroom, J-3)
- 1 - 36" x 48" x 8" GRANITE SURFACE PLATE, With Stand (Bldg 2, Toolroom, F-2)
- 1 - STARRETT 24" x 36" x 6" PINK GRANITE SURFACE PLATE (Bldg 2, Toolroom, J-3)

LARGE QUANTITY GAGING & ACCESSORIES INCLUDING: Granite Plates, Digital Scales, Digital & Dial Indicators, Ring Gauges, Plus Gauges, Thread Gauges, Magnetic Set-Up Chucks, Bars, Parallels, & V-Blocks, Indicator Stands, Surface Checkers, Snap Gauges, Height Gauges, Plug Gauges, Surfmeters, Tension Gauges, Gage Blocks, Pin Gages, Force Gauges, Magnified Inspection Lamps, Torque Wrenches, Torque Tools, Torque Testers, Digimatic Indicators, (some new), Linear Gages (some new), Lista Multi-Drawer Storage Cabinets, Lista Hardwood Top Bench Stations, With Multi-Drawer Cabinet, etc.

MATERIALS TESTING LAB EQUIPMENT

- 1 - MAGNAFLUX MODEL DR-523MAGNETIC PARTICLE INSPECTION MACHINE, S/N 62560, Wet Type, With Blacklight System, Output Amps 600 - 3000 (Test Lab)
- 1 - SINGLETON SALT SPRAY ENVIRONMENTAL TEST CHAMBER, S/N NA, Chamber Size 48" x 30" x 36" (Test Lab)
- 1 - HARSHAW SALT SPRAY ENVIRONMENTAL TEST CHAMBER, S/N NA, Chamber Size 48" x 36" x 36" (Test Lab)
- 1 - LECO MODEL MSX300-R WET TYPE ABRASIVE LAB SAMPLE CUT-OFF MACHINE, S/N 60026, Enclosure (Test Lab)
- 1 - LECO MODEL CM-24A WET TYPE AUTOMATIC ABRASIVE CUT-OFF MACHINE, S/N 3005, Enclosure (Test Lab)
- 1 - BUEHLER MODEL 10-1030-460 WET TYPE ABRASIVE CUT-OFF SAW, S/N 318-D-1329, Enclosures (Bldg 2, J-15)
- 1 - LECO MODEL VP-1603-STATION SPECIAMIEN PREPARATION POLISHING TABLE, S/N NA, 8" Diameter Discs, Wet Type (Test Lab)
- 1 - STRUERS MODEL ROTO POL-222-STATION ROTARY LAB POLISHER, S/N NA, With Overhead Pressing Arm, Multi Doser Liquid Controller, Programmable Control (Test Lab)
- 1 - LECO MODEL BG-20D SPECIMEN FINISHER, S/N NA (Test Lab)
- 1 - LECO MODEL VC-50 SAMPLE CUTTER, S/N NA (Test Lab)
- 1 - GROGAN TYPE II A 3000 KG BRINELL HARDNESS TESTER, S/N M17355 (Test Lab)
- 1 - LECO MODEL M-400-G1 HARDNESS TESTER, S/N NA (Test Lab)
- 1 - TINIUS OLSEN 60,000-LB. MECHANICAL TENSILE TESTER, S/N 131715, With Force Press & Dial Face Type Control Console (Test Lab)
- 1 - TINIUS OLSEN 120,000-LB. MECHANICAL TENSILE TESTER, S/N 135595, With Force Press & Dial Face Type Control Console (Test Lab)
- 1 - TINIUS OLSEN 60,000-LB. MECHANICAL TENSILE TESTER, S/N 159720 (Test Lab)
- 1 - TINIUS OLSEN PLASTIC IMPACT TESTER, S/N NA (Test Lab)
- 1 - THERMO JARREL ASH MODEL ATOM COMP 8ATOMIC ABSORPTION SPECTRO PHOTOMETER, S/N 36094 (Test Lab)
- 1 - PERKIN ELMER MODEL 1600 SERIES FT I SPECTRO PHOTOMETER, S/N 138658 (Test Lab)
- 1 - LECO MODEL HF-400A CARBON SULFER ANALYZER, S/N 3072 (Test Lab)
- 1 - LECO MODEL ES-406 CARBON SULFER ANALYZER (Test Lab)
- 1 - REICHER-JUNG MODEL MeF3A STEREO MICROSCOPE, With Polaroid Camera Attachment, S/N NA (Test Lab)
- 1 - RHEOMETRIC SCIENTIFIC MODEL MK111DYNAMIC THERMAL ANALYZER, S/N NA, With Temperature Programmer, Tower (Test Lab)
- 1 - METTLER TOLEDO DYNAMIC ANALYSIS TESTER, Including Model TMA 40 Thermo Mechanical Analyzer, Model TC11TA Processor, Model TGS50, DSC25, MT5 Scales (Test Lab)
- 1 - THERMOTRON MODEL S1-2 ELECTRIC COOLING CHAMBER, S/N 14923, 16" x 10" x 12" Thermotron 2800 Programmable Controller (Test Lab)
- 1 - BLUE M MODEL OV-18SA ELECTRIC LAB OVEN, S/N 3673, 1.90 Kw, Temperature Range 38 - 288 Degrees C, 18" x 18" x 15" (Test Lab)
- 1 - BLUE M MODEL POM7-256C-3 ELECTRIC LAB OVEN, S/N P38-4483, 650 Degree C Maximum, ID Size 24" x 20" x 20" (Test Lab)
- 1 - BLUE M MODEL 8630D-3X ELECTRIC LAB FURNACE, S/N F02-1502, 1093 Degree C Maximum, ID Size 7" x 7" x 20" (Test Lab)
- 1 - IEC MODEL K71652232 22" DIAMETER CENTRIFUGE, S/N NA, Variable Speed Control (Test Lab)
- 1 - BLUE M MAGNA WHIRL BENCH TOP CONSTANT TEMPERATURE ULTRASONIC CLEANING BATH, S/N NA (Test Lab)
- 1 - BLUE M MODEL 580SC-2 STABIL-THERM ELECTRIC LAB OVEN, S/N OV4-962, 572 Degrees Fahrenheit Maximum, ID Size 18" x 18" x 18" (Test Lab)
- 1 - B&K 8-STATION DISTRIBUTOR HOT & COLD TEST MACHINE, S/N NA, -40 - 225 Degrees Fahrenheit, With Thermotron Model F-32-CHV-705-705 Environmental Test Chamber, S/N 8940 (Test Lab)
- 1 - HANSE MODEL TVC-9 ENVIRONMENTAL TEST CHAMBER, S/N NA, 36" x 36" x 32", Double Sided Double Door Openings, Utiocor Programmable Controls (Test Lab)
- 1 - THERMOTRON MODEL SM-32C MINI MAX ENVIRONMENTAL TEST CHAMBER, S/N 25-1277-07, 36" x 36" x 36", Thermotron 2800 Microprocessor Control (Test Lab)
- 1 - TENNEY MODEL T5TS ENVIRONMENTAL TEST CHAMBER, S/N 10-317 (Test Lab)
- 1 - ITT E-CORE IGNITION COIL HOT/COLD DURABILITY TEST CHAMBER, ZOZP-9218, -40 Degree C/140 Degree C, Model S-32 Mini Max, S/N 25-1263-07 (Test Lab)
- 1 - TENSIL KUT MODEL 10-68 METAL SAMPLE ROUTER, S/N 345485 (Test Lab)
- 1 - THERMOTRON 3-STATION ENVIRONMENTAL TEST CHAMBER, MODEL & S/N NA (Test Lab)
- 2 - THERMOTRON MODEL S-16 ENVIRONMENTAL TEST CHAMBERS, S/Ns 15474, (#ZOZP-9218), 15473, (#NA), ID Size 30" x 30" x 30" (Test Lab)
- 1 - THERMOTRON S-16MINI MAX ENVIRONMENTAL TEST CHAMBER, S/N 252720-03, ID Size 30" x 30" x 30" (Test Lab)
- 1 - CUSTOM BUILT WELDED JOINT VIBRATION TEST MACHINE, S/N NA (Test Lab)
- 1 - SARTORIUS MODEL 2462BALANCE SCALE, S/N NA (Test Lab)

LOT OF LAB ACCESSORIES INCLUDING: Lab Benches, Fume Hood, Lab Sinks, Glassware, Scales, Hot Plates, Oscilloscopes, Electronic Test Equipment, Analysis Equipment, etc. (Test Lab)